

Notice of Allowability

Application No.

09/897,151

Examiner

Ian N. Moore

Applicant(s)

CHASKAR, HEMANT M.

Art Unit

2661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/26/2005.
2. ☒ The allowed claim(s) is/are 1, 3-7, and 9-32 which have been renumbered as 1-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 11-1-05.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


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DETAILED ACTION

Drawings

1. The drawings (FIG. 5-7) were received on 7/6/2005. These drawings are accepted by the examiner.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Steve S. Chang on October 25, 2005.

The application has been amended as follows:

- **Claim 1**, line 5, "**for upstream data**" has been inserted between "PATH message" and "from the mobile node"
- **Claim 1**, line 8, "**for upstream data**" has been inserted between "RESV message" and "from the correspondent node"
- **Claim 1**, line 10, "**for upstream data**" has been inserted between "messages" and "only between intermediate nodes"
- **Claim 1**, line 13, "**for downstream data**" has been inserted between "PATH message" and "from the correspondent node"

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- **Claim 1**, line 16, **“for downstream data”** has been inserted between **“RESV message”** and **“from the mobile node”**
- **Claim 1**, line 18, **“for downstream data”** has been inserted between **“messages”** and **“only between intermediate nodes”**
- **Claim 1**, line 24, **“, wherein REFRESH messages are exchanged between the intermediate nodes, wherein the mobile node is attached to a first node of the intermediate nodes by a wireless link, and wherein subsequent REFRESH message do not traverse the wireless link”** has been inserted after **“the handover”**
- **Claim 2** is canceled.
- **Claim 4**, line 2, **“wherein the mobile node is attached to a first node of the intermediate nodes by a wireless link, and”** has been removed between **“to claim 1,”** and **“wherein initial PATH messages”**
- **Claim 6**, line 5, **“for upstream data”** has been inserted between **“PATH message”** and **“from the mobile node”**
- **Claim 6**, line 8, **“for upstream data”** has been inserted between **“RESV message”** and **“from the correspondent node”**
- **Claim 6**, line 15, **“for downstream data”** has been inserted between **“PATH message”** and **“from the correspondent node”**
- **Claim 6**, line 18, **“for downstream data”** has been inserted between **“RESV message”** and **“from the mobile node”**
- **Claim 6**, line 23, **“, wherein a proxy REFRESH interception function for upstream data responds to the PATH REFRESH message by sending RESV REFRESH message on**

behalf of the correspondent node, if the latter is attached using the further wireless link; and does not allow PATH REFRESH message to be transmitted over the further wireless link” has been inserted after “do not traverse the wireless links”

- **Claim 8** is canceled.
- **Claim 15**, line 5, “**for upstream data**” has been inserted between “PATH message” and “from the mobile node”
- **Claim 15**, line 8, “**for upstream data**” has been inserted between “RESV message” and “from the correspondent node”
- **Claim 15**, line 13, “**for downstream data**” has been inserted between “PATH message” and “from the correspondent node”
- **Claim 15**, line 16, “**for downstream data**” has been inserted between “RESV message” and “from the mobile node”
- **Claim 15**, line 18, “**a downstream**” has been replaced with “**downstream data**”
- **Claim 15**, line 19, “**performing proactive RSVP signaling for upstream data at the time of handover of mobile node from one access router to another; ”** has been inserted between “intermediate nodes” and “transferring PATH state block”

Response to Arguments

3. Applicant’s arguments, see pages 13-18, filed 7/26/2005, with respect to amended claims 1, 3-7, and 9-32 have been fully considered and are persuasive. The rejections of claims 1, 3-7, and 9-32 have been withdrawn.

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Allowable Subject Matter

4. Claims 1, 3-7, and 9-32 are allowed.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ian N. Moore whose telephone number is 571-272-3085. The examiner can normally be reached on 9:00 AM- 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on 571-272-3126. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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